Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Final

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name:	**Catalent Pharma Solutions, LLC**
Mailing Address:	**1100 Enterprise Drive, Winchester, KY 40391**
Source Name:	**Catalent Pharma Solutions, LLC**
Mailing Address:	**1100 Enterprise Drive** **Winchester, KY 40391**
Source Location:	**Same as above**
Permit ID:	**F-05-041 R1**
Agency Interest #:	**813**
Activity ID:	**APE20060001 & APE20070001**
Review Type:	**Conditional Major / Synthetic Minor, Operating**
Source ID:	**21-049-00040**
Regional Office:	**Frankfort Regional Office** **663 Teton Trail** **Frankfort, KY 40601** **(502) 564-3358**
County:	**Clark**
Application Complete Date:	**March 4, 2008**
Issuance Date:	**October 30, 2006**
Revision Date:	**March 26, 2008**
Expiration Date:	**October 30, 2011**

John S. Lyons, Director
Division for Air Quality

Revised 05/07/07

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Rev #	Permit type	Log or Activity No.	Complete Date	Issuance Date	Summary of Action
----	**F-95-008**	**----**	**----**	**02/03/95**	**Initial Issuance, Conditional Major**
1	**F-95-008 (Revision 1)**	**E623**	**10/21/96**	**06/19/97**	**Conditional Major, Synthetic Minor (Significant Revision)**
2	**F-95-008 (Revision 2)**	**51427**	**12/20/00**	**01/24/01**	**Conditional Major, Synthetic Minor (Minor Revision)**
----	**F-05-041**	**54331, 54750, 55524, 56381, 56544**	**05/16/2006**	**10/30/2006**	**Renewal, Conditional Major, Synthetic Minor Permit**
1	**F-05-041 R1**	**APE20060001 & APE20070001**	**03/04/2008**	**TBD**	**502 (b)(10) Change, Name/Ownership Change, the Addition of Insignificant Activity and Changes in Production Rates**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Boilers

09 (09)	**Room 114, Boilers No. 1 and 2**
Description:	Indirect Heat Exchanger – Sellers #100 HP-77C
Maximum rating:	4.0 mmBtu/hr each
Fuel:	Natural gas
Construction Date:	1992
Control device:	None

26 (26)	**Room 141, Boiler No. 3**
Description:	Indirect Heat Exchanger – Sellers #100 HP-77C
Maximum rating:	4.0 mmBtu/hr
Fuel:	Natural gas
Construction Date:	1997
Control device:	None

APPLICABLE REGULATIONS:

401 KAR 59:015, *New indirect heat exchangers*, applies to the particulate matter and sulfur dioxide emissions for each indirect heat exchanger commenced on or after April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

a) Pursuant to 401 KAR 59:015, Section 4(1), emissions of particulate matter (PM) from the combustion of natural gas shall not exceed 0.56 lb/mmBtu actual heat input for each of the Boilers No. 1, 2 and 3, based on a three-hour average for each boiler.

b) Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity, except that a maximum of 40% opacity for not more than six consecutive minutes in any 60 consecutive minutes during cleaning the fire-box or blowing soot and except for emissions during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c) Pursuant to 401 KAR 59:015, Section 5(1), emissions of sulfur dioxide (SO_2) shall not exceed 3.0 lb/mmBtu actual heat input for each of the Boilers No. 1, 2 and 3, based on a 24-hour average for each boiler.

d) Refer to **Section D.3 Source Emission Limitations** for source-wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a) Compliance with the particulate emission limit is demonstrated while burning natural gas, based on an AP-42 emission factor of 7.6 lbs PM/million standard cubic feet (mmscf) and a fuel heat capacity of 1010 Btu/scf.

b) Compliance with the opacity limit is demonstrated while burning natural gas.

c) Compliance with the sulfur dioxide limit is demonstrated while burning natural gas, based on an AP-42 emission factor of 0.6 lbs SO_2/mmscf and a fuel heat capacity of 1010 Btu/scf.

d) Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration Method.**

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the monthly amount of natural gas usage in each unit (cubic feet/month).

5. Specific Recordkeeping Requirements:

a) The permittee shall maintain records in accordance with **4. Specific Monitoring Requirements.**

b) All records shall be maintained in accordance with **Section F.2**.

6. Specific Reporting Requirements:

a) The permittee shall submit a report of the following information to the Division for Air Quality's Frankfort office in accordance with **Section F.5 and F.8**:
The monthly records of natural gas usage.

b) Reports shall be in accordance with **Section F.6.**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

50 (50) **Room 5, Boiler No. 4**

Description:	Indirect Heat Exchanger – Cleaver Brooks
Maximum rating:	14.65 mmBtu/hr
Fuel:	Natural gas
Construction date:	2004
Control device:	Low NOx Burners

APPLICABLE REGULATIONS:

401 KAR 59:015, *New indirect heat exchangers*, applies to the particulate matter and sulfur dioxide emissions for each indirect heat exchanger commenced on or after April 9, 1972.

401 KAR 60:005, which incorporates by reference 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, applies to Boiler 4 which commenced after June 9, 1989 and has heat input rating at or greater than 10 mmBtu/hr and less than 100 mmBtu/hr. Only the recordkeeping requirements apply to this natural gas fired unit.

1. Operating Limitations:

None

2. Emission Limitations:

a) Pursuant to 401 KAR 59:015, Section 4(1), emissions of particulate matter (PM) from the combustion of natural gas shall not exceed 0.51 lb/mmBtu actual heat input, based on a three-hour average.

b) Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity, except that a maximum of 40% opacity for not more than six consecutive minutes in any 60 consecutive minutes during cleaning the fire-box or blowing soot and except for emissions during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c) Pursuant to 401 KAR 59:015, Section 5(1), sulfur dioxide (SO_2) emissions shall not exceed 2.56 lb/mmBtu actual heat input, based on a 24-hour average.

d) Refer to **Section D.3 Source Emission Limitations** for source-wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

Compliance Demonstration Method:

a) Compliance with the particulate emission limit is demonstrated while burning natural gas, based on an AP-42 emission factor of 7.6 lbs PM/million standard cubic feet (mmscf) and a fuel heat capacity of 1010 Btu/scf.

b) Compliance with the opacity limit is demonstrated while burning natural gas.

c) Compliance with the sulfur dioxide limit is demonstrated while burning natural gas, based on an AP-42 emission factor of 0.6 lbs SO_2/mmscf and a fuel heat capacity of 1010 Btu/scf.

d) Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Method.

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
The permittee shall monitor and maintain records of the amount of natural gas combusted during each calendar month. [40 CFR 60.48c(g)(2)]

5. Specific Recordkeeping Requirements:

a) The permittee shall maintain records in accordance with **4. Specific Monitoring Requirements.**

b) All records shall be maintained in accordance with **Section F.2**. This shall satisfy the record keeping requirement of 40 CFR 60.48c(i).

6. Specific Reporting Requirements:

a) The permittee shall submit a report of the following information to the Division for Air Quality's Frankfort office in accordance with **Section F.5 and F.8**: the monthly records of natural gas usage.

b) Reports shall be in accordance with **Section F.6.** This shall satisfy the reporting requirement of 40 CFR 60.48c(j).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Coating/Granulation Units

Description:	The Coating/Granulation Units, including the PanCoaters, operate in two (2) mutually exclusive production modes, Aqueous and Solvent Pharmaceutical Production. Dry pharmaceutical material is charged into the unit and mixed with either water or one of five solvent types to produce coated pharmaceutical granules and final products (tablets, pills, capsules). The maximum ratings listed herein for these batch processes are an average based on the time required to process the batch.
01 (01)	**Room 105, Coating/Granulation Unit, Glatt CPCG-60, Lab #2**
Maximum rating:	38.5 lb/hr dry pharmaceutical material
Construction Date:	1992
Aqueous production control device:	CPCG Filter followed by a Dust Collector
Control efficiency:	95% or 99% respectively (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #3 (EP36) (Oxidizer #1 (EP10) as backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95% (VOC) for Oxidizer #1
03 (03)	**Room 111, Coating/Granulation Unit, Glatt CPCG-300, Lab #6**
Maximum rating:	179 lb/hr dry pharmaceutical material
Construction Date:	1992
Aqueous production control device:	CPCG Filter followed by a Torit Dust Collector
Control efficiency:	95% or 99% respectively (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #2 (EP22) (Oxidizer #3 (EP36) or Oxidizer #1 (EP10) as backups)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #2 or Oxidizer #3, or 95% (VOC) for Oxidizer #1
07 (07)	**Room 109, Coating/Granulation Unit, Glatt CPCG-300, Lab #5**
Maximum rating:	132 lb/hr dry pharmaceutical material
Construction Date:	1992
Aqueous production control device:	CPCG Filter followed by a Dust Collector
Control efficiency:	95% and 99% respectively (PM)
Solvent production control device:	Dust collector followed Oxidizer #2 (EP22) (Oxidizer #3 (EP36) backup)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #2 or Oxidizer #3

08 (08) **Room 206, Two (2) PanCoaters 48", PC-1500**

Maximum rating:	151 lb/hr dry pharmaceutical material total
Construction Date:	1992 and 2002
Aqueous production control device:	CSC Dust Collector
Control efficiency:	99% (PM)
Solvent production control device:	Dust collector followed Oxidizer #3 (EP36) (Oxidizer #1 (EP10) backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95.0% (VOC) at Oxidizer #1

11 (11) **Room 108, Coating/Granulation Unit, Glatt CPCG-300, Lab #3**

Maximum rating:	355 lb/hr dry pharmaceutical material
Construction Date:	1994
Aqueous production control device:	CPCG Filter followed by a Torit Dust Collector
Control efficiency:	95% and 99% respectively (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #2 (EP22) (Oxidizer #3 (EP36) backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #2 or Oxidizer #3

15a (15a) **Room 103, Coating/Granulation Unit, Glatt CPCG-15, Lab #1**

Maximum rating:	30 lb/hr dry pharmaceutical material
Construction Date:	1995
Aqueous production control device:	CPCG Filter followed by a Dust Collector
Control efficiency:	95% and 99% respectively (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #3 (EP36) (Oxidizer #1 (EP10) as backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95.0% (VOC) for Oxidizer #1

15b (15b) **Room 103, Pilot PanCoater 24", PC-1500**

Maximum rating:	27 lb/hr dry pharmaceutical material
Construction Date:	1995
Aqueous production control device:	Dust Collector
Control efficiency:	99% (PM only)
Solvent production control device:	Dust collector followed Oxidizer #3 (EP36) (Oxidizer #1 (EP10) backup)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95.0% (VOC) for Oxidizer #1

17 (17) **Room 132, PanCoater 48", PC-1500**

Maximum rating:	45 lb/hr dry pharmaceutical material
Construction Date:	1997
Aqueous production control device:	Dust Collector
Control efficiency:	99% (PM only)
Solvent production control device:	Dust collector followed Oxidizer #3 (EP36) (Oxidizer #1 (EP10) backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95.0% (VOC) for Oxidizer #1

18 (18) **Room 136, Coating/Granulation Unit, Glatt CPCG-300, Lab #8**

Maximum rating:	16 lb/hr dry pharmaceutical material
Construction Date:	1997
Aqueous production control device:	CPCG Filter followed by a Flex Kleen Dust Collector
Control efficiency:	95% and 99% respectively (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #2 (EP22) (Oxidizer #3 (EP36) backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #2 or 99.9% (VOC) for Oxidizer #3

21 (21) **Room 218, Coating/Granulation Unit, Glatt CPCG-120, Lab #10**

Maximum rating:	43 lb/hr dry pharmaceutical material
Construction Date:	1997
Aqueous production control device:	CPCG Filter followed by a Flex Kleen Dust Collector
Control efficiency:	95% and 99% respectively (PM only)
Solvent production control device:	Oxidizer filter followed by Oxidizer #2 (EP22) (Oxidizer #3 (EP36) backup)
Control efficiency:	99.6% (PM), followed by 99.9% (VOC) for Oxidizer #2 or 99.9% (VOC) for Oxidizer #3

49 (49) **Warehouse 2, PanCoater 60", ACPC-3000**

Manufacturer and Make:	Thomas Engineering ACCELA COATA
Maximum rating:	131 lb/hr dry pharmaceutical material
Construction Date:	2005
Aqueous production control device:	Dust Collector
Control efficiency:	99% (PM only)
Solvent production control device:	Dust collector followed by Oxidizer #3 (EP36) (Oxidizer #1 (EP10) backup)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Control efficiency: 99.6% (PM), followed by 99.9% (VOC) for Oxidizer #3 or 95.0% (VOC) for Oxidizer #1

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to each affected facility not subject to another emission standard for particulate matter (PM) in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to sources which emit or may emit potentially hazardous or toxic substances. See **Section D, Source Emission Limitations and Testing Requirements** for source wide limitations.

1. Operating Limitations:

Refer to **Section D.3** for compliance with the source wide particulate, volatile organic compound and hazardous air pollutant emission limitations.

2. Emission Limitations:

a) Pursuant to 401 KAR 59:010, Section 3(2), emissions of particulate matter (PM) shall not exceed 2.34 lb/hr from each Coating/Granulation unit at the following emission points: 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

b) Pursuant to 401 KAR 59:010, Section 3(1), emissions shall not exceed 20% opacity from each of the following Coating/Granulation unit emission points: 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

c) Refer to **Section D.3 Source Emission Limitations** for source-wide particulate limits matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

Compliance Demonstration Method:

a) Particulate Matter (PM) Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
01	Room 105, Glatt CPCG-60	2.34	0.01176
03	Room 111, Glatt CPCG-300	2.34	0.04573
07	Room 109, Glatt CPCG-300	2.34	0.00371
08	Room 206, Two (2) Pan Coater 48" PC-1500	2.34	0.03265
11	Room 108, Glatt CPCG-300	2.34	0.03234
15a	Room 103, Glatt CPCG-15	2.34	0.03318
15b	Room 103, Pilot Pan Coater 24" PC-1500	2.34	0.03318
17	Room 132, Pan Coater 48" PC-1500	2.34	0.02822
18	Room 136, Glatt CPCG-300	2.34	0.00917
21	Room 218, Glatt CPCG-120	2.34	0.01982
49	Warehouse 2, Pan Coater 60" ACPC-3000	2.34	0.01155

Dust collectors shall be operating and properly maintained. Refer to Subsection **4.**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Specific Monitoring Requirements and **7. Specific Control Equipment Operating Conditions**.

b) For compliance with the opacity limit, refer to **4. Specific Monitoring Requirements**.

c) If a Coating/Granulation unit is in operation during any period of malfunction of the particulate control device, the permittee shall take necessary corrective actions in accordance with **5.g Specific Recordkeeping Requirements**.

d) Refer to emission points 10, 22 and 36 for calculation of HAP and VOC emissions.

e) Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration Method.**

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a) The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observation. If visible emissions are seen, then the opacity shall be determined by EPA Reference Method 9. If Method 9 indicates emissions in excess of the standard, then an inspection shall be initiated for any necessary repairs. If a Method 9 test cannot be performed, the reason for not performing the test shall be documented.

b) Also refer to **7. Specific Control Equipment Operating Conditions**.

c) The permittee shall monitor and maintain a log of the pressure drop across each dust collector on a weekly basis.

d) Emission points with particulate control devices that are equipped with broken bag detectors shall be exempt from performing visual observations and opacity readings as required by condition a).

5. Specific Recordkeeping Requirements:

a) Refer to **Specific Monitoring Requirements 4.a)** and **4.c)**.

b) The permittee shall maintain records of preventive maintenance and inspection of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

c) The permittee shall maintain records of the total weight of the dry coating products processed each month by each Coating/Granulation unit at the following emission points: 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

d) The permittee shall maintain records of the total processing hours each month for each Coating/Granulation unit at the following emission points: 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

e) The permittee shall record the occurrence, duration, cause and any corrective action taken for each incident when a Coating/Granulation unit at emission point 01, 03, 07, 08, 11, 15, 17, 18, 21 and/or 49 is in operation but its respective particulate control device and/or solvent control device are not.

f) All records shall be maintained in accordance with **Section F.2**.

g) Refer to **Section D, Source Emission Limitations and Testing Requirements** for

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

source wide recordkeeping requirements.

6. Specific Reporting Requirements:

Refer to **Section D** for source wide reporting requirements and **Section F.5**.

7. Specific Control Equipment Operating Conditions:

a) The permittee shall maintain, calibrate and operate according to manufacturers' specification, a monitoring device for the continuous measurement of the differential static pressure across each dust collector. The permittee shall maintain the pressure drop across each dust collector within the range recommended by the manufacturer or established during the most recent stack test.

b) The particulate control devices shall be in operation at all times the Coating/Granulation units are operating in the aqueous production mode at emission points 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

c) The particulate control devices of the Catalytic Oxidizers shall be in operation at all times the Coating/Granulation units are operating in solvent production at emission points 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49. Also refer to **Section B** for emission points 10, 22 and 36 (Catalytic Oxidizers #1, #2 and #3).

d) Preventive maintenance shall be performed, for all particulate control devices, in accordance with the manufacturers' recommendations. Each particulate control device shall be inspected monthly for proper operation of the following:

i) Filters.
ii) Broken bag detector system.
iii) Air flow source and equipment.
iv) Differential pressure gauge.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Catalytic Oxidizers

10 (10) **Catalytic Oxidizer #1 (backup)**

Manufacturer:	CSM TORVEX Model 100A
Maximum rating:	10,000 scfm, 3.4 mmBtu/hr
Fuel:	Natural gas
Construction Date:	1994
Control efficiency:	95%
Particulate control device:	Catalytic Oxidizer Pre-Filter
Control efficiency:	95 %

22 (22) **Catalytic Oxidizer #2**

Manufacturer:	Catalytic Products International (CPI) Vector-25 Model 200A
Maximum rating:	25,000 scfm, 7.0 mmBtu/hr
Fuel:	Natural gas
Construction Date:	1997
Control efficiency:	99.9%
Particulate control device:	Catalytic Oxidizer Pre-Filter
Control efficiency:	99.6%

36 (36) **Catalytic Oxidizer #3**

Manufacturer:	Catalytic Products International (CPI) Vector-25 Model 300A
Maximum rating:	25,000 scfm, 7.0 mmBtu/hr
Fuel:	Natural gas
Construction Date:	2003
Control efficiency:	99.9%
Particulate control device:	Catalytic Oxidizer Pre-Filter
Control efficiency:	99.6%

APPLICABLE REGULATIONS:

401 KAR 63:020, *Potentially hazardous matter or toxic substances,* applies to sources which emit or may emit potentially hazardous or toxic substances. See **Section D, Source Emission Limitations and Testing Requirements** for source wide limitations.

1. Operating Limitations:

None

2. Emission Limitations:

Refer to **Section D.3 Source Emission Limitations** for source wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a) Except as provided in paragraph b) below, the permittee shall operate primary Catalytic Oxidizers #2 and #3 at all times when the respective Coating/Granulation units specified below are in operation:

Coating/Granulation	Primary Oxidizer (Backup Oxidizer)
01 (01) Room 105, Glatt CPCG-60	#3 (#1)
03 (03) Room 111, Glatt CPCG-300	#2 (#3)
07 (07) Room 109, Glatt CPCG-300	#2 (#3)
08 (08) Room 206, Two (2) PanCoater 48" PC-1500	#3 (#1)
11 (11) Room 108, Glatt CPCG-300	#2 (#3)
15a (15a) Room 103, Glatt CPCG-15	#3 (#1)
15b (15b) Room 103, Pilot PanCoater 24" PC-1500	#3 (#1)
17 (17) Room 132, PanCoater 48" PC-1500	#3 (#1)
18 (18) Room 136, Glatt CPCG-300	#2 (#3)
21 (21) Room 218, Glatt CPCG-120	#2 (#3)
49 (49) Warehouse 2, PanCoater 60" ACPC-3000	#3 (#1)

b) In the event that primary Catalytic Oxidizer #2 or #3 fails, the permittee shall ensure that the respective unit emissions are ducted to the backup oxidizer system identified in paragraph a), and the backup catalytic oxidizer is in operation at all times of unit operation.

c) The above emission units shall be operated only when the average catalyst bed inlet temperature for the controlling catalytic oxidizer is maintained from 450°F to 650°F.

d) Refer to **4. Specific Monitoring Requirements and 5. Specific Recordkeeping Requirements**.

e) Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration Method**.

3. Testing Requirements:

a) Performance tests of each catalytic oxidizer shall be conducted once in every five years by using appropriate EPA testing methods.

b) As part of continued compliance demonstration, catalyst activity shall be confirmed annually through core sampling and analysis by the manufacturer or an independent laboratory.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

The permittee shall perform the following monitoring:

a) For each Catalytic Oxidizer, the permittee shall install, calibrate, operate and maintain a temperature monitoring device equipped with a continuous recorder.

i) Each temperature-monitoring device shall be accurate within ± 1 percent of the temperature being monitored in ^{o}C or ± 1^{o}C, whichever is greater.

ii) The thermocouples or temperature sensors shall be installed in the vent stream at the nearest feasible point to each catalyst bed inlet and outlet to monitor the gas stream temperature immediately before and after the catalyst bed of each catalytic oxidizer.

iii) The output of the temperature monitoring devices shall be recorded and the records maintained and made available for inspection in accordance with **Section F** of this permit.

b) The permittee shall conduct calendar quarter inspections of the catalytic oxidation systems to ensure proper calibration, operation and maintenance of each system. Preventive maintenance shall be performed on each system in accordance with the manufacturer's recommendations. The manufacturer's specification and standard operating procedures shall be located onsite at all times.

c) Monthly inspection of the proper operation of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

d) The information specified in **5. Specific Recordkeeping Requirements**.

5. Specific Recordkeeping Requirements:

a) While each Catalytic Oxidizer is in operation, the temperatures shall be recorded continuously and the 3-hour average measurements of each catalyst bed inlet and outlet temperature shall be calculated and recorded every 15 minutes (3-hour periods calculations shall not include monitoring data recorded during periods of unavoidable monitoring system breakdowns, repairs, maintenance, and calibrations).

b) The permittee shall record the occurrence, duration, cause and any corrective action taken when a Coating/Granulation unit at emission point 01, 03, 07, 08, 11, 15, 17, 18, 21 or 49 is in operation and the 3-hour average catalytic bed inlet and/or outlet temperature is below the catalytic bed inlet and/or outlet temperature limit established by the most recent performance test. Each occurrence shall be considered a deviation from permit requirements and the permittee shall assume a destruction efficiency of zero during the time period of the deviation for the purpose of demonstrating compliance with source-wide emission limitations established in **Section D.3**. Also refer to **6. Specific Reporting Requirements** and **Sections F.6**, **F.7** and **F.8**.

c) The following information shall be logged daily:

i) Whether any air emissions were visible from the facilities associated with the Catalytic Oxidizers;

ii) Whether any visible emissions were normal for the process;

iii) The cause of the visible emissions; and

iv) Any corrective actions taken.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

d) Emission points with particulate control devices that are equipped with broken bag detectors shall be exempt from logging the requirements from condition c) above.

e) The permittee shall maintain records of calibration, operational procedures and preventive maintenance for the catalytic oxidizer systems and their temperature monitoring devices.

f) The permittee shall maintain records of preventive maintenance and inspection of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

g) The permittee shall maintain records of the dates and times of all instances that process unit emissions are exhausted to the backup catalytic oxidizer system and the reason for backup control system usage.

h) All records shall be maintained in accordance with **Sections F.2**.

i) Refer to **Section D, Source Emission Limitations and Testing Requirements** for source wide recordkeeping requirements.

6. Specific Reporting Requirements:

Refer to **Section D** for source wide reporting requirements and **Section F.5**.

7. Specific Control Equipment Operating Conditions:

a) The particulate control devices to Catalytic Oxidizers #1, #2 and #3 shall be in operation at all times the Catalytic Oxidizers #1, #2 and #3 are in operation. Also refer to previous **Section B** for emission points 01, 03, 07, 08, 11, 15, 17, 18, 21 and 49.

b) Preventive maintenance shall be performed, for all particulate control devices, in accordance with the manufacturers' recommendations. Each particulate control device shall be inspected monthly for proper operation of the following:

i) Filters.

ii) Broken bag detector system.

iii) Air flow source and equipment.

iv) Differential pressure gauge.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Conveyor Systems

05 (05) **Rooms 109, 110 and 111, Pneumatic Powder Conveyor**

Manufacturer:	Vac-U-Max
Maximum rating:	1,000 lb/hr
Construction Date:	1992
Control device:	Filter
Control efficiency:	99%

13 (13) **Room 108, Pneumatic Powder Conveyor**

Manufacturer:	Vac-U-Max
Maximum rating:	1,000 lb/hr
Construction Date:	1992
Control device:	Filter
Control efficiency:	99%

20 (20) **Rooms 133 and 135, Pneumatic Powder Conveyor**

Description:	Conveys material from Post Hoist Room (Room 135) to a 100 cubic foot blender in Room 133
Manufacturer:	Invincible Air Systems
Maximum rating:	1,000 lb/hr
Construction Date:	1997
Control device:	Filter
Control efficiency:	99%

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to each affected facility not subject to another emission standard for particulate matter (PM) in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

a) Pursuant to 401 KAR 59:010, Section 3(2), emissions of particulate matter (PM) shall not exceed 2.34 lb/hr from each Conveyor System at the following emission points: 05, 13 and 20.

b) Pursuant to 401 KAR 59:010, Section 3(1), emissions shall not exceed 20% opacity from each of the following emission points: 05, 13 and 20.

c) Refer to **Section D.3 Source Emission Limitations** for source-wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a) Particulate Matter (PM) Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
05	Rooms 109, 110 & 111, Pneumatic Powder Conveyor	2.34	0.1
13	Room 108, Pneumatic Powder Conveyor	2.34	0.1
20	Rooms 133 & 135, Pneumatic Powder Conveyor	2.34	0.1

Dust collectors shall be operating and properly maintained. Refer to Subsection **4. Specific Monitoring Requirements** and **7. Specific Control Equipment Operating Conditions**.

b) For compliance with the opacity limit, refer to **4. Specific Monitoring Requirements**.

c) If an emissions unit at emissions points 05, 13 and/or 20 is in operation during any period of malfunction of the particulate control device, the permittee shall take necessary corrective actions in accordance with **5.f Specific Recordkeeping Requirements**.

d) Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration Method.**

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a) The permittee shall perform the following monitoring:

i) A qualitative visual observation of the opacity of emissions on a monthly basis when the units are in operation.

ii) Semi-annual opacity readings by EPA Reference Method 9 while operating the emission units from each of the following emission points: 05, 13 and 20.

iii) Emission points with particulate control devices that are equipped with broken bag detectors shall be exempt from performing visual observations and semi-annual opacity readings as required by conditions i) and ii).

iv) Monthly inspection of the proper operation of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

v) The pressure drop across each dust collector on a weekly basis in accordance with **7. Specific Control Equipment Operating Conditions**.

vi) The information specified in **5. Specific Recordkeeping Requirements**.

b) Also refer to **7. Specific Control Equipment Operating Conditions**.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

a) The permittee shall maintain visual opacity observation records in accordance with **4.a Specific Monitoring Requirements**.

b) The permittee shall maintain Method 9 records in accordance with **4.b Specific Monitoring Requirements**.

c) The permittee shall maintain records of preventive maintenance and inspection of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

d) The permittee shall maintain records of pressure drop in accordance with **4.a. v) Specific Monitoring Requirements**, including the maximum and minimum pressure drop recorded each month for each dust collector.

e) The permittee shall maintain records of the total weight of the materials processed each month by each Conveyor System at the following emission points: 05, 13 and 20.

f) The permittee shall maintain records of the total operating hours each month for each Conveyor System at the following emission points: 05, 13 and 20.

g) The permittee shall record the occurrence, duration, cause and any corrective action taken for each incident when a Conveyor System at emission point 05, 13 and/or 20 is in operation but its respective particulate control device is not.

h) All records shall be maintained in accordance with **Sections F.2**.

i) Refer to **Section D, Source Emission Limitations and Testing Requirements** for source wide recordkeeping requirements.

6. Specific Reporting Requirements:

Refer to **Section D** for source wide reporting requirements and **Section F.5**.

7. Specific Control Equipment Operating Conditions:

a) The permittee shall maintain, calibrate and operate according to manufacturers' specification, a monitoring device for the continuous measurement of the differential static pressure across each dust collector. The permittee shall maintain the pressure drop across each dust collector within the range recommended by the manufacturer or established during the most recent stack test.

b) The particulate control devices shall be in operation at all times the Conveyor Systems at emission points 05, 13 and 20 are operating.

c) Preventive maintenance shall be performed, for all particulate control devices, in accordance with the manufacturers' recommendations. Each particulate control device shall be inspected monthly for proper operation of the following:

i. Filters.
ii. Broken bag detector system.
ii. Air flow source and equipment.
iv. Differential pressure gauge.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Supporting Equipment

04 (04) **Rooms 109, 110 and 111, Fugitive Dust Collector**

Description:	Dust collector for fugitives from Blender and Drumming Station
Manufacturer:	IPC-1146
Maximum rating:	5 lb/hr
Construction Date:	1992
Control device:	Dust Collector
Control efficiency:	99%

14 (14) **Area 1 Central Vacuum System**

Description:	Vacuum system serving Area 1, using a flexible hose to collect dust in Rooms 35, 103, 105, 108, 109, 110, 111 and 113
Manufacturer:	Invincible Air Systems
Maximum rating:	3,355 lb/hr
Construction Date:	1997
Control device:	Cartridge Filter Type Dust Collector
Control efficiency:	99%

16 (16) **Rooms 103 and 105, Fugitive Dust Collector**

Description:	Dust collector for fugitives from Room 103, CPCG-15, Room 103, PanCoater PC-1500 and Room 105, CPCG-60
Manufacturer:	Torit 2DF16
Maximum rating:	5 lb/hr
Construction Date:	1995
Control device:	Dust Collector
Control efficiency:	99%

19 (19) **Area 2 Northside Central Vacuum System**

Description:	Vacuum system for northside of Area 2, using a flexible hose to collect dust in Process Rooms 131, 132, 133, 135, 136, 138, 142, 151, 161, 171, 175, 215, 216, 218 and 219
Manufacturer:	Invincible Air Systems
Maximum rating:	2,400 lb/hr
Construction Date:	1997
Control device:	Cartridge Filter Type Dust Collector
Control efficiency:	99%

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

24 (24) **Northside Process Rooms Fugitive Dust Collector**

Description:	Fugitive dust collector serving Process Rooms 133, 135, 136, 138, 161, 205, 215, 216, 218 and 219
Manufacturer:	United Air Specialists Model FJH-24-3-1H55 Dust Hog
Maximum rating:	1,500 lb/hr
Construction Date:	1997
Control device:	Cartridge Filter Type Dust Collector
Control efficiency:	99%

25 (25) **Southside Process Rooms Fugitive Dust Collector**

Description:	Fugitive dust collector serving Process Rooms 131, 137, 148, 149, 151, 152, 153, 203 and 204b
Manufacturer:	United Air Specialists Model FJH-24-3-1H55 Dust Hog
Maximum rating:	1,500 lb/hr
Construction Date:	1997
Control device:	Cartridge Filter Type Dust Collector
Control efficiency:	99%

32 (32) **Area 2 Southside Central Vacuum System**

Description:	Vacuum system for southside of Area 2, using a flexible hose to collect dust in Process Rooms 148, 149, 152, 153, 203 204, 204a, 204b, 205 and 208
Manufacturer:	Invincible Air Systems
Maximum rating:	2,400 lb/hr
Construction Date:	2001
Control device:	Cartridge Type Dust Collector
Control efficiency:	99%

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to each affected facility not subject to another emission standard for particulate matter (PM) in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

a) Pursuant to 401 KAR 59:010, Section 3(2), emissions of particulate matter (PM) from each emission point shall not exceed the values listed below:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
04	Rooms 109, 110 & 111, Fugitive Dust Collector	0.0025	2.34
14	Area 1 Central Vacuum System	1.68	4.95
16	Rooms 103 & 105, Fugitive Dust Collector	0.0025	2.34
19	Area 2 Northside Central Vacuum System	1.2	4.02
24	Northside Process Rooms Fugitive Dust Collector	0.75	3.00
25	Southside Process Rooms Fugitive Dust Collector	0.75	3.00
32	Area 2 Southside Central Vacuum System	1.2	4.02

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$\mathbf{E = 3.59(P)^{0.62}}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

b) Pursuant to 401 KAR 59:010, Section 3(1), emissions shall not exceed 20% opacity from each of the following emission points: 04, 14, 16, 19, 24, 25 and 32.

c) Refer to **Section D.3 Source Emission Limitations** for source wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

Compliance Demonstration Method:

a) Particulate Matter (PM) Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
04	Rooms 109, 110 & 111, Fugitive Dust Collector	2.34	0.05000
14	Area 1 Central Vacuum System	4.95	0.08388
16	Rooms 103 & 105, Fugitive Dust Collector	2.34	0.05000
19	Area 2 Northside Central Vacuum System	4.02	0.06000
24	Northside Process Rooms Fugitive Dust Collector	3.00	0.75000
25	Southside Process Rooms Fugitive Dust Collector	3.00	0.75000
32	Area 2 Southside Central Vacuum System	4.02	0.06000

Dust collectors shall be operating and properly maintained. Refer to Subsection **4. Specific Monitoring Requirements** and **7. Specific Control Equipment Operating**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Conditions.

b) For compliance with the opacity limit, refer to **4. Specific Monitoring Requirements**.

c) If an emissions unit at emissions points 04, 14, 16, 19, 24, 25 and/or 32 is in operation during any period of malfunction of the particulate control device, the permittee shall take necessary corrective actions in accordance with **5.f Specific Recordkeeping Requirements**.

d) Refer to Section **D.3 Source Emission Limitations, Compliance Demonstration Method**.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a) The permittee shall perform the following monitoring:

i) A qualitative visual observation of the opacity of emissions on a monthly basis when the units are in operation.

ii) Semi-annual opacity readings by EPA Reference Method 9 while operating the emission units from each of the following emission points: 04, 14, 16, 19, 24, 25 and 32.

iii) Emission points with particulate control devices that are equipped with broken bag detectors shall be exempt from performing visual observations and semi-annual opacity readings as required by conditions i) and ii).

iv) Monthly inspection of the proper operation of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

v) The pressure drop across each dust collector on a weekly basis in accordance with **7. Specific Control Equipment Operating Conditions**.

vi) The information specified in **5. Specific Recordkeeping Requirements**.

b) Also refer to **7. Specific Control Equipment Operating Conditions**.

5. Specific Recordkeeping Requirements:

a) The permittee shall maintain visual opacity observation records in accordance with **4.a Specific Monitoring Requirements**.

b) The permittee shall maintain Method 9 records in accordance with **4.b Specific Monitoring Requirements**.

c) The permittee shall maintain records of preventive maintenance and inspection of the particulate control devices in accordance with **7. Specific Control Equipment Operating Conditions**.

d) The permittee shall maintain records of pressure drop in accordance with **4.a. v) Specific Monitoring Requirements**, including the maximum and minimum pressure drop recorded each month for each dust collector.

e) The permittee shall maintain records of the total weight of the materials processed each month for each emission point: 04, 14, 16, 19, 24, 25 and 32.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

f) The permittee shall record the occurrence, duration, cause and any corrective action taken for each incident when an emissions unit at emission point 04, 14, 16, 19, 24, and/or 32 is in operation but its respective particulate control device is not.
g) All records shall be maintained in accordance with **Sections F.2**.
h) Refer to **Section D, Source Emission Limitations and Testing Requirements** for source wide recordkeeping requirements.

6. Specific Reporting Requirements:

Refer to **Section D** for source wide reporting requirements and **Section F.5**.

7. Specific Control Equipment Operating Conditions:

a) The permittee shall maintain, calibrate and operate according to manufacturers' specification, a monitoring device for the continuous measurement of the differential static pressure across each dust collector. The permittee shall maintain the pressure drop across each dust collector within the range recommended by the manufacturer or established during the most recent stack test.
b) The particulate control devices shall be in operation at all times the process units at emission points 04, 14, 16, 19, 24, 25 and 32 are operating.
c) Preventive maintenance shall be performed, for all particulate control devices, in accordance with the manufacturers' recommendations. Each particulate control device shall be inspected monthly for proper operation of the following:
    i) Filters.
    ii) Broken bag detector system.
    iii) Air flow source and equipment.
    iv) Differential pressure gauge.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Tank Farm

28 (28)	**Bulk Tank 1**
Description:	Horizontal fixed roof volatile organic liquid storage vessel
Capacity:	3,500 gallons
Construction date:	1997
Control device:	None

29 (29)	**Bulk Tank 2**
Description:	Horizontal fixed roof volatile organic liquid storage vessel
Capacity:	4,000 gallons
Construction date:	1997
Control device:	None

30 (30)	**Bulk Tank 3**
Description:	Horizontal fixed roof volatile organic liquid storage vessel
Capacity:	3,500 gallons
Construction date:	1997
Control device:	None

31 (31)	**Bulk Tank 4**
Description:	Horizontal fixed roof volatile organic liquid storage vessel
Capacity:	4,000 gallons
Construction date:	1997
Control device:	None

APPLICABLE REGULATIONS:

401 KAR 63:020, *Potentially hazardous matter or toxic substances,* applies to sources which emit or may emit potentially hazardous or toxic substances. See **Section D, Source Emission Limitations and Testing Requirements** for source wide limitations.

NON-APPLICABLE REGULATIONS:

401 KAR 59:050, *New storage vessels for petroleum liquids,* does not apply to the four (4) bulk storage tanks #1 - #4 (EP 28 - EP 32) because these tanks do not store petroleum liquids as defined in the rule.

401 KAR 60:005, which incorporates by reference 40 CFR 60, Subpart Kb (40 CFR 60.112b), *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984* does not apply to any of the storage tanks because the storage capacity of each tank is less than the rule applicability threshold of 75 m^3 (19,812 gallons).

1. Operating Limitations:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

Refer to **Section D.3 Source Emission Limitations** for source-wide particulate matter, hazardous air pollutant (HAP) and volatile organic compound (VOC) emission limitations.

***Compliance Demonstration Method*:**

Refer to **Section D.3 Source Emission Limitations, Compliance Demonstration Method**.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the information specified in **5. Specific Recordkeeping Requirements**.

5. Specific Recordkeeping Requirements:

a) Pursuant to 401 KAR 52:030, Section 10, the permittee shall maintain monthly records identifying the liquid stored and the period of storage for each tank.

b) All records shall be maintained in accordance with **Sections F.2**.

c) Refer to **Section D, Source Emission Limitations and Testing Requirements** for source wide recordkeeping requirements.

6. Specific Reporting Requirements:

Refer to **Section D** for source wide reporting requirements and **Section F.5**.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

Description	**Generally Applicable Regulation**
Granulations – High Shear	
Room 216, Power VG – 1500 High Shear Granulation (900 Liters)	401 KAR 59:010
Power VG – 200 High Shear Granulation (120 Liters)	401 KAR 59:010
Granulations – Rotor/Spheronizer	
Glatt RI – 790 Rotor Granulation (105 Liters)	None
Glatt RI – 480 Rotor Granulation (30 Liters)	None
Glatt RI – 300 Rotor Granulation (4.5 Liters)	None
Tablet Compression	
Manesty Express 30 Station Tablet Press	None
Fette Perfecta 1000-33 Station Tablet Press	None
Capsule Filling & Related	
3 Bosh H & K Model 1500 Capsule Fillers	None
MG2 FG Futura Capsule Filler	None
Shionogi CWI-80 Weight Inspection Machine	None
2 IMA Precisa Weight Sorting Machine	None
Mocon Vericap Model 2500 Weight Sorter	None
2 Pro Quip Inspection Belts	None
Lakso Inspection Belt	None
Blenders	
40 Cubic Foot PK V Blender	None
20 Cubic Foot PK V Blender	None
2 - 5 Cubic Foot PK V Blenders	None
2 Cubic Foot PK V Blender	None
8 Quart PK V Blender	None
Mills/Sieves	
Glatt Quick Sieves	None
Sweco Separators	None
Fitzmill	None
Glatt Mill	None
KD 6 Dynomil with HX-750 Recirculating Chiller	None
Colloid Mill	None
Micropulverizer	None
Quadra Comil	None

SECTION C - INSIGNIFICANT ACTIVITIES

Description	Generally Applicable Regulation
Miscellaneous	
7 Glatt Post Hoist Material Transfer Devices	None
Lydon Tray Drying Oven	None
Delta Tablet Imprinter	None
Air Handling Units	None
23 (23) Tray Dryer Oven, 100 lb/hr capacity	401 KAR 59:010
Forty-Five (45) Portable Solvent Storage Tanks (Kettles), 50-300 gal. each, used to transport solvent from mixing rooms 173, 104 and 121 to labs: • 06 (06) - Room 104, Portable Solvent Kettles • 27 (27) - Room 173, Portable Solvent Kettles	None
34 (34) Room 121, Permanent Solvent Tank 1, 600 gallons	None
35 (35) Room 121, Permanent Solvent Tank 2, 600 gallons	None
40 (40) – 45 (45) QC Lab Hoods 1-6	None
47 (47) Room 108A, Lab 4 Room Fugitives	None
Pan Coater PC3000 Unit 76	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. a. Particulate matter and volatile organic compound (VOC) emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

   b. Hazardous air pollutant (HAP) emissions, as measured by 40 CFR promulgated test methods and approved by the Division, shall not exceed the respective limitations specified herein.

3. **Source Emission Limitations:**

   a. To preclude the applicability of 401 KAR 52:020, *Title V Permits*, and 401 KAR 51:017, *Prevention of significant deterioration of air quality*, total annual source-wide emissions shall not exceed the following specific limitations on a twelve (12) consecutive month basis:

      (1) Volatile organic compound (VOC) emissions: 90 tons per year;
      (2) Particulate matter (PM/PM10) emissions: 90 tons per year;
      (3) Emissions of any single hazardous air pollutant (HAP): 9 tons per year; and
      (4) Emissions of combined hazardous air pollutants (HAPs): 22.5 tons per year.

   b. Pursuant to 401 KAR 63:020, Section D, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.

Compliance Demonstration Method:

   a. Compliance with the source wide emission limitations shall be demonstrated by calculating the annual source-wide emissions for each month of the previous 12-month period (i.e.: for the month January, the compliance demonstration shall be completed in February and shall include all data from February of the previous year to the last day of January). The monthly compliance demonstration shall include, at a minimum, the following:

      (1) The monthly and consecutive 12-month VOC, individual HAP and combined HAP raw material input usage rates at the Coating/Granulation Units and the storage tanks specified in paragraph (2) below.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

(2) The monthly and consecutive 12-month VOC, individual HAP, and combined HAP emission rates from the following Coating/Granulation Units and storage tanks:

EP 01 (01)	Room 105, Glatt CPCG-60
EP 03 (03)	Room 111, Glatt CPCG-300
EP 07 (07)	Room 109, Glatt CPCG-300
EP 08 (08)	Room 206, Two (2) PanCoater 48" PC-1500
EP 11 (11)	Room 108, Glatt CPCG-300
EP 15a (15a)	Room 103, Glatt CPCG-15
EP 15b (15b)	Room 103, Pilot PanCoater 24" PC-1500
EP 17 (17)	Room 132, PanCoater 48" PC-1500
EP 18 (18)	Room 136, Glatt CPCG-300
EP 21 (21)	Room 218, Glatt CPCG-120
EP 49 (49)	Warehouse 2, PanCoater 60" ACPC-3000
EP 28 (28)	Bulk Tank 1
EP 29 (29)	Bulk Tank 2
EP 30 (30)	Bulk Tank 3
EP 31 (31)	Bulk Tank 4

The emissions for single and combined HAPs and total VOC from the Catalytic Oxidizers shall be determined according to the following formula:

HAP/VOC Emissions = Q x (R/100) x (1-CE/100)

Where: Q = Quantity of HAPs/VOC containing raw material input to the process (tons/month)
R = Weight percent HAPs/VOC contained in raw material (%)
CE = Oxidizer Control Efficiency (%)

(3) The monthly and consecutive 12-month dry pharmaceutical material processing rate at the Coating/Granulation Units, Conveyor Systems, and Supporting Equipment.

(4) The monthly and consecutive 12-month particulate matter emission rates from the Coating/Granulation Units, Conveyor Systems, and Supporting Equipment.

These emission calculations shall be based on material balance and the weight percent of VOC and each HAP in each material. Storage tanks emission calculations shall be based on most current TANKS program. The permittee shall use values for catalytic oxidizer control efficiency as determined by the most recent performance tests conducted in accordance with **Section B**, and shall apply such efficiency only when the system is operational. Particulate matter emissions from the processing operations shall be based on mass balance and the respective Compliance Demonstration Methods of **Section B**.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

b. The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source, including ethanol, isopropyl alcohol (IPA), acetone, methanol, methyl ethyl ketone (MEK) and acetonitrile. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), and modeling may be required to show that the facility will remain in compliance with 401 KAR 63:020.

4. **Source Recordkeeping Requirements:**

a. Actual VOC, HAP and particulate matter emissions shall be determined and recorded on a monthly and consecutive 12-month basis in accordance with **3. Source Emission Limitations, Compliance Demonstration Method**.

b. Monthly records of all materials containing VOC/HAPs and the weight percent of such shall be maintained. Monthly records of dry pharmaceutical raw materials usage shall be maintained.

5. **Source Reporting Requirements**:

The permittee shall report to the Division in accordance with **Section F** the monthly and consecutive 12-month totals of VOC, HAP and particulate matter emitted from the source and the processing rate of VOCs, HAPs and dry pharmaceutical material.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place (as defined in this permit), and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030 Section 3(1)(f)1a and Section 1a-7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

9. Pursuant to 401 KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
   a. Identification of each term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emission unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
   f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

Division for Air Quality Frankfort Regional Office 643 Teton Trail, Suite B Frankfort, KY 40601-1758	Division for Air Quality Central Files 803 Schenkel Lane Frankfort, KY 40601

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee. If a KYEIS emission survey is not mailed to the permittee, then the permittee shall comply with all other emission reporting requirements in this permit.

11. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
    a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
        (1) The size and location of both the original and replacement units; and
        (2) Any resulting change in emissions;
    b. The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
    c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
    d. The replacement unit shall comply with all applicable requirements; and
    e. The source shall notify Regional office of all shutdowns and start-ups.
    f. Within six (6) months after installing the replacement unit, the owner or operator shall:
        (1) Re-install the original unit and remove or dismantle the replacement unit; or
        (2) Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a-2 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-5 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
      (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

      Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

   d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 6 and 7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

   e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-11 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-12-b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].

l. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:030, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
(1) Applicable requirements that are included and specifically identified in this permit; and
(2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

b. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

3. Permit Revisions

a. Minor permit revision procedures specified in 401 KAR 52:030 Section 14(3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14(2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements
No construction authorized by this permit

5. Testing Requirements

a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

7. Emergency Provisions

a. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
(1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
(4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
(5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

b. Emergency conditions listed in General Provision G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

8. Ozone depleting substances

a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
(1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
(2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
(3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
(4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
(5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
(6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

   a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

      RMP Reporting Center
      P.O. Box 1515
      Lanham-Seabrook, MD 20703-1515.

b. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

The permittee shall be allowed thirty (30) days from the issuance of this proposed permit to complete installation of the monitoring equipment required by this permit.